DATA SHEET
Qt® CONFERENCE ROOM EDITION
SPEECH PRIVACY SOLUTION FOR CONFERENCE ROOMS



The Qt® Conference Room Edition consists of a control module, two lighted privacy signs, and a series of direct-field sound masking emitters. When a room occupant turns on the control module inside of the conference room, it powers the sound masking emitters placed in the ceiling just outside of the conference room. The emitters add a low level of background sound making human speech less intelligible. Lighted privacy signs inside and outside of the conference room indicate the system is running, and let conference room occupants know their conversations are being protected.

FEATURES

- Out-of-the-box support for conference rooms with up to 40 feet (12 m) of exposed wall
- Meeting occupants can easily turn the system on and off with the push of a button
- Control module and privacy signs provide clear indication that the system is activated
- Premium, minimalist design style seamlessly fits in with other conference room AV equipment
- Smooth sound masking ramp up and ramp down to limit disruptions; adjustable via the front panel
- Option to add additional emitters for larger areas
- Easy to integrate with in-room third-party control systems
- Can be turned on and off for meetings or left running at all times
- Energy efficient; consumes less than 7 watts of power
- Straightforward, low-impact installation
- CE marked, ETL listed, and RoHS compliant
- Met Works with WELL licensing criteria for sound masking
- Covered by Biamp Systems' five-year warranty
- Manufactured in the U.S.A.
- TAA compliant
- GSA eligible

Drawings and product details are for information and/or illustrative purposes only, and may vary. Please contact your local Memtech representative for the most current product information.

ARCHITECTS & ENGINEERS SPECIFICATION

The sound masking solution shall be comprised of a sound masking generator, privacy signs, and sound masking emitters. The sound masking solution shall be suitable for use in areas up to 800 square feet (74 square meters) in size with 8 emitters. The sound masking solution shall be expandable to a total of 120 compatible emitters, providing up to 12,000 square feet (1,115 square meters) of coverage. The sound masking generator shall be suitable for surface or recessed wall mounting. The sound masking generator shall support 4 channels of amplified non-correlated audio signals within a single control zone. The sound masking generator shall support programmable levels of sound masking up to a maximum of 55 dBA SPL. The sound masking level shall be adjustable via the front panel menu or an optional remotely switched contact closure. The sound masking ramp up/down times shall be independently adjustable for both front panel and contact closure operation. The sound masking generator shall include a front panel button lockout capability. The privacy signs shall be wall-mounted and powered by the sound masking generator. The privacy signs shall provide visual indication of sound masking on/off states. The sound masking emitters shall comply with the requirements of UL Standard 2043 and shall be suitable for mounting in acoustic ceiling tiles that also comply with UL Standard 2043 requirements. The sound masking emitter connections shall be made via category 3 structured cabling or better with RJ-45 modular plugs in a daisy-chain configuration. The sound masking generator shall be ETL listed and Green Spec listed. The sound masking solution shall be CE marked, ETL listed, and shall be compliant with the RoHS directive. Warranty shall be 5 years. The sound masking solution shall be Qt® Conference Room Edition.

Qt CONFERENCE ROOM EDITION SPECIFICATIONS

CONTROL PROCESSOR

Frequency Response[1]:	
Sound Masking:	200Hz to 6.3kHz
Music/Paging:	200Hz to 10kHz
SPL[1]:	
Minimum Masking SPL (@ 1m):	30dBA
Maximum Masking SPL (@ 1m):	60dBA
Maximum Music/Paging SPL (@ 1m):	62dBA
Masking	
Number of Non-Correlated Masking Sources:	4
Number of Masking Zones:	1 (2 cable runs per zone)
Masking Level Adjustment:	0.5dB steps
Masking Ramp Times:	0-120 seconds (up and down ramp times are independent)
Audio Inputs	
Input Connector Type:	Captive Screw Terminals
Number of Inputs:	1 (Stereo or Mono)
Input Level:	+4dBu (2VRMS max)
Input Level Adjustment:	1dB steps
Input Impedance:	5kΩ
Remote Control	
Connector Type:	Captive Screw Terminals
Input Type:	Contact Closure (Normally Open)
Number of Inputs:	1
Output Type:	Logic Status (5VDC)
Number of Outputs:	1
Output Connections:	2 RJ-45
Minimum Output Impedance:	7Ω (per channel)
Privacy Sign Connections	
Number of Connectors:	2
Connector Type:	Captive Screw Terminals
Output Voltage:	5VDC @ 75mA
Power Supply	
Operating Voltage:	100-240VAC 50/60Hz
Current Draw:	0.6A
Output:	24VDC @ 1A
Max. Power Consumption (24VDC):	7W
Input Connector:	Captive Screw Terminal & Coax Power Plug (center pin positive)
Overall Dimensions	
Height:	3.5 inches (89mm)
Width:	7 inches (179mm)
Depth:	0.875 inches (23mm)
Weight:	11 oz. (318g)
Included Accessories:	ACT Hole Saw; Box Adapter Plate (4-Gang US or 3-Gang UK/EU)

PRIVACY SIGNS

Number of Connectors:	1
Connector Type:	Spring-Loaded Push Terminals
Cable Type:	20AWG 2-Conductor Type CMP (Plenum)
Input Voltage:	5VDC @ 75mA
Overall Dimensions	
Height:	3.5 inches (89mm)
Width:	4.5 inches (113mm)
Depth:	0.2 inches (48mm)
Weight:	3 oz. (91g)
Included Accessories:	2 Single Gang Electrical Enclosure Backing Plates; 2 Glass Finishing Plates with Adhesive Strips; (2) 50 foot (15m) cables

[1] Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.

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Qt CONFERENCE ROOM EDITION SPECIFICATIONS (CONTINUED)

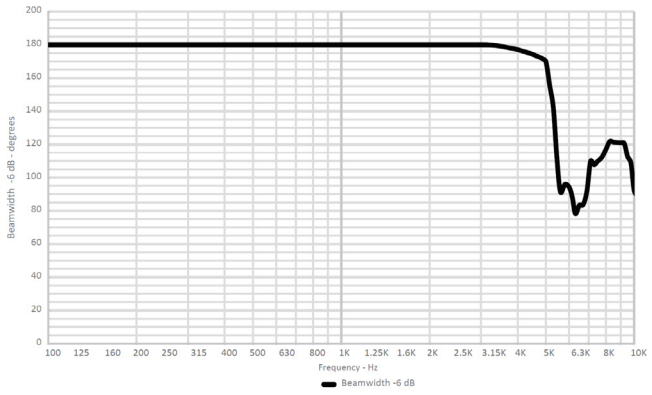
EMITTERS

Number of Emitters:	8
Input Connection:	1 RJ-45
Output Connection:	1 RJ-45
Frequency Response[1]:	
Sound Masking:	200Hz to 10kHz
Music/Paging:	200Hz to 10kHz
SPL[1]:	
Minimum Masking SPL (@ 1m):	30dBA
Maximum Masking SPL (@ 1m):	60dBA
Maximum Music/Paging SPL (@ 1m):	62dBA
Channel Selection:	4 Channels (Auto Sequencing and Repeating)
Loudspeaker Type:	Passive with Transformer
Maximum Power Consumption:	0.11W
Driver Diameter:	1.25 inches (32mm)
Nominal Impedance:	3.6kΩ
Nominal Dispersion:	170° conical/half space
Selectable Attenuation:	0dB, -3dB, -6dB, -9dB
Maximum Emitter Quantity (per Run):	60
Maximum Number of Runs:	2
Maximum Cabling Distance (per Run):	1000 feet (300m)

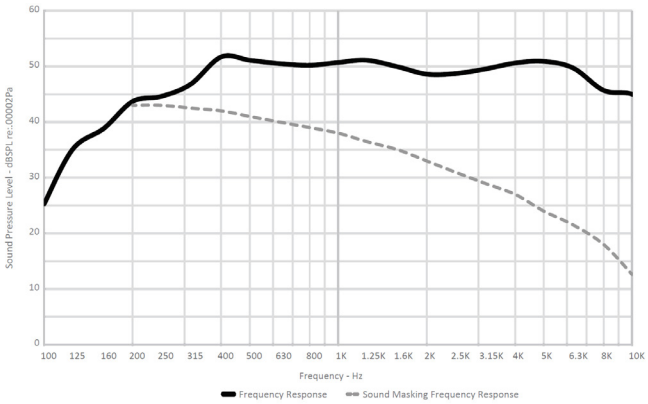
Cable Type:	UTP Twisted Category 3 Type CMP (Plenum)
Overall Dimensions	
Height:	2.5 inches (64mm)
Diameter:	3.25 inches (83mm)
Weight:	5.6 oz. (159g)
Included Accessories:	Ceiling Tile Mounting Ring; (1) 50 foot (15m) cable; (7) 16 foot (5m) cables
Environment	
Ambient Operating Temperature Range:	40 – 90° F (4 – 32° C)
Humidity:	0–95%, non-condensing
Altitude:	0-6,600 feet (0–2000 Meters) MSL
Compliance:	FCC Part 15B (USA) CE marked (Europe) ETL Listed (USA and Canada) Green Spec Listed (UK) RoHS Directive (Europe) Emitters evaluated to the requirements of UL 2043 and are suitable for use in air handling spaces

[1] Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.

EMITTER BEAMWIDTH



FREQUENCY RESPONSE



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